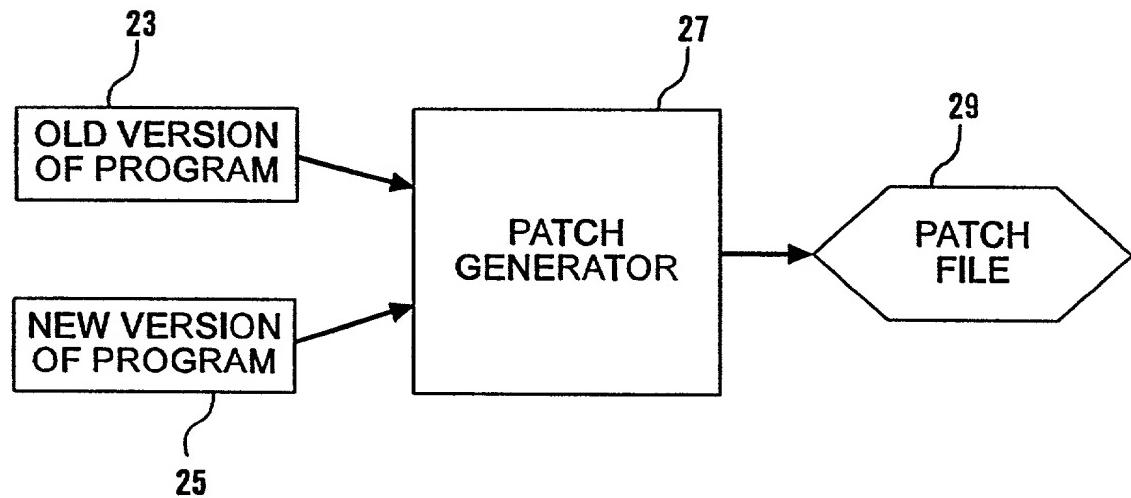


**FIG. 1**  
PRIOR ART



**FIG. 2**  
PRIOR ART

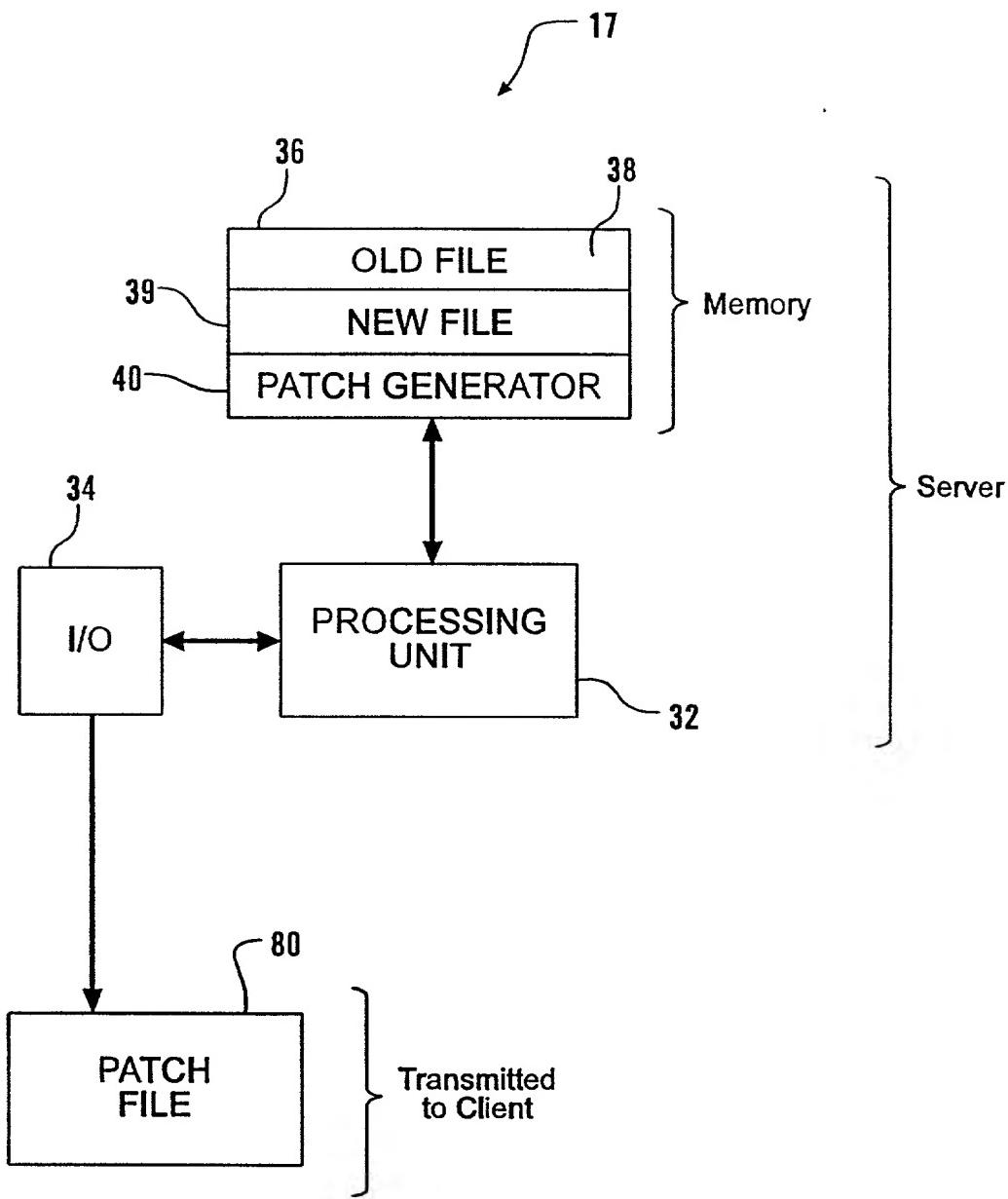


FIG. 3

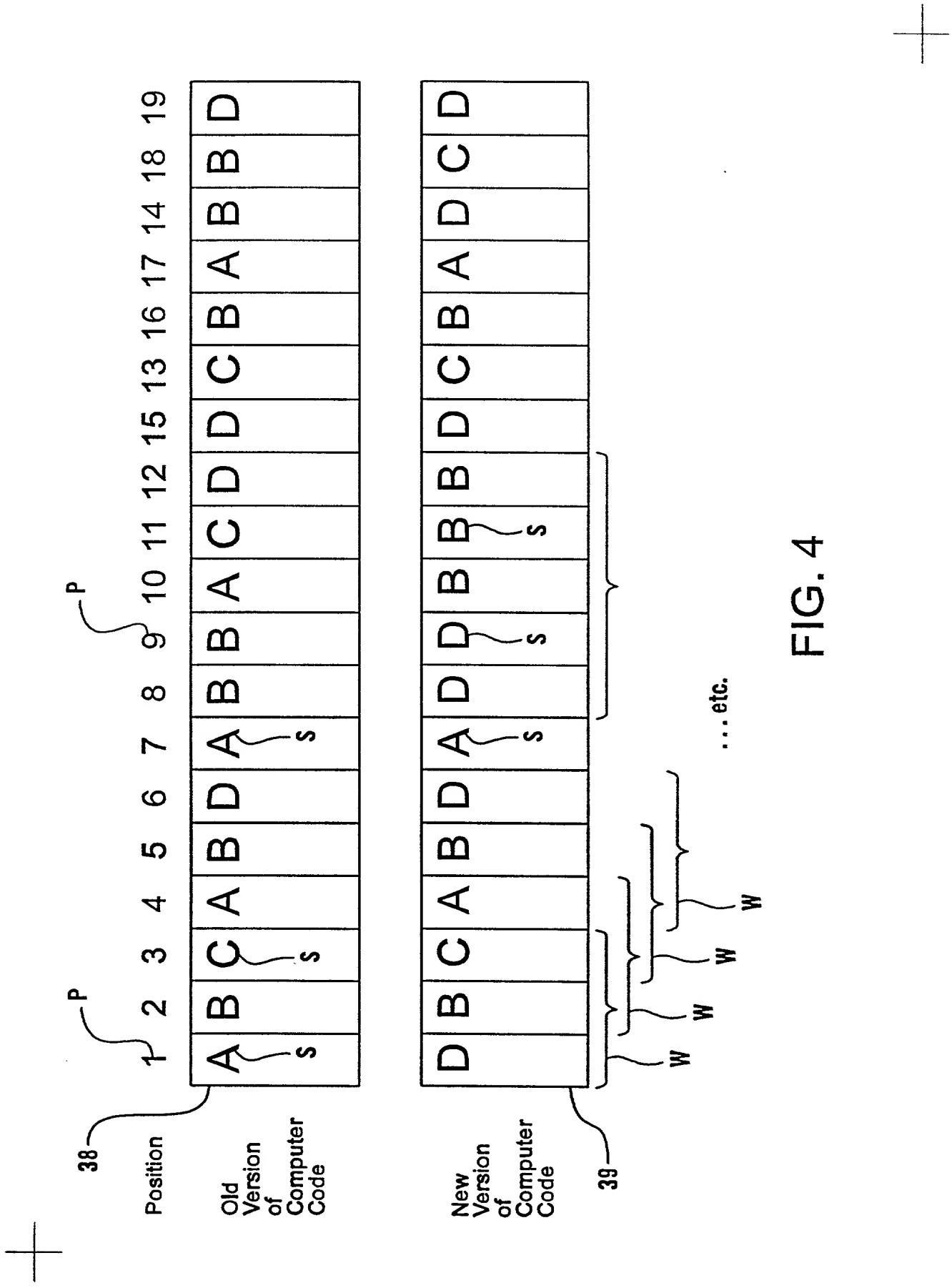


FIG. 4

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First List  
(Old Version  
of Computer  
Code):

Word	Position
ABC	1
BCA	2
CAB	3
ABD	4
BDA	5
DAB	6
ABB	7
BBA	8
BAC	9
ACD	10
CDD	11
DDC	12
DCB	13
CBA	14
BAB	15
ABB	16
BBD	17

Second List  
(New Version  
of Computer  
Code):

Word	Position
DBC	1
BCA	2
CAB	3
ABD	4
BDA	5
DAD	6
ADD	7
DDB	8
DBB	9
BBB	10
BBD	11
BDC	12
DCB	13
CBA	14
BAD	15
ADC	16
DCD	17

FIG. 5

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+

First Sorted List of Code:

Second Sorted List of Code:

Line Number	Word	Offset ( $P_{1st}$ )	Word	Offset ( $P_{2nd}$ )	
1	ABB	7	57	ABD	4
2	ABB	16		ADC	16
3	ABC	1		ADD	7
4	ABD	4		BAD	15
5	ACD	10		BBB	10
6	BAB	15		BBD	11
7	BAC	9		BCA	2
8	BBA	8		BDA	5
9	BBD	17		BDC	12
10	BCA	2		CAB	3
11	BDA	5		CBA	14
12	CAB	3		DAD	6
13	CBA	14		DBB	9
14	CDD	11		DBC	1
15	DAB	6		DCB	13
16	DCB	13		DCD	17
17	DDC	12		DDB	8

FIG. 6

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Current Line Number in First List	Current Line Number in Second List	Relation Between Current Words (" $<$ ", " $>$ " or " $=$ ")
1	1	$<$
2	1	$<$
3	1	$<$
4	1	$= (ABD)$
5	2	$<$
6	2	$>$
6	3	$>$
6	4	$>$
7	4	$<$
8	4	$<$
8	5	$<$
9	5	$>$
9	6	$= (BBD)$
10	7	$= (BCA)$
11	8	$= (BDA)$
12	9	$>$
12	10	$= (CAB)$
13	11	$= (CBA)$
14	12	$<$
15	12	$<$
16	12	$>$
16	13	$>$
16	14	$>$
17	15	$= (DCB)$
17	16	$>$
17	17	$>$

FIG. 7

+

Word	ABD	BBD	BCA	BDA	CAB	CBA	DCB
Max Coincidence Block Length	*	3	6	*	*	*	4
Old File Offset	*	17	2	*	*	*	13
New File Offset	*	11	2	*	*	*	13

FIG. 8

Max Coincidence Block Length	3	6	4
Old File Offset	17	2	13
New File Offset	11	2	13

FIG. 9

Max Coincidence Block Length	6	3	4
Old File Offset	2	17	13
New File Offset	2	11	13

FIG. 10

End of Block + 1 in the New File	8	14	17
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FIG. 11

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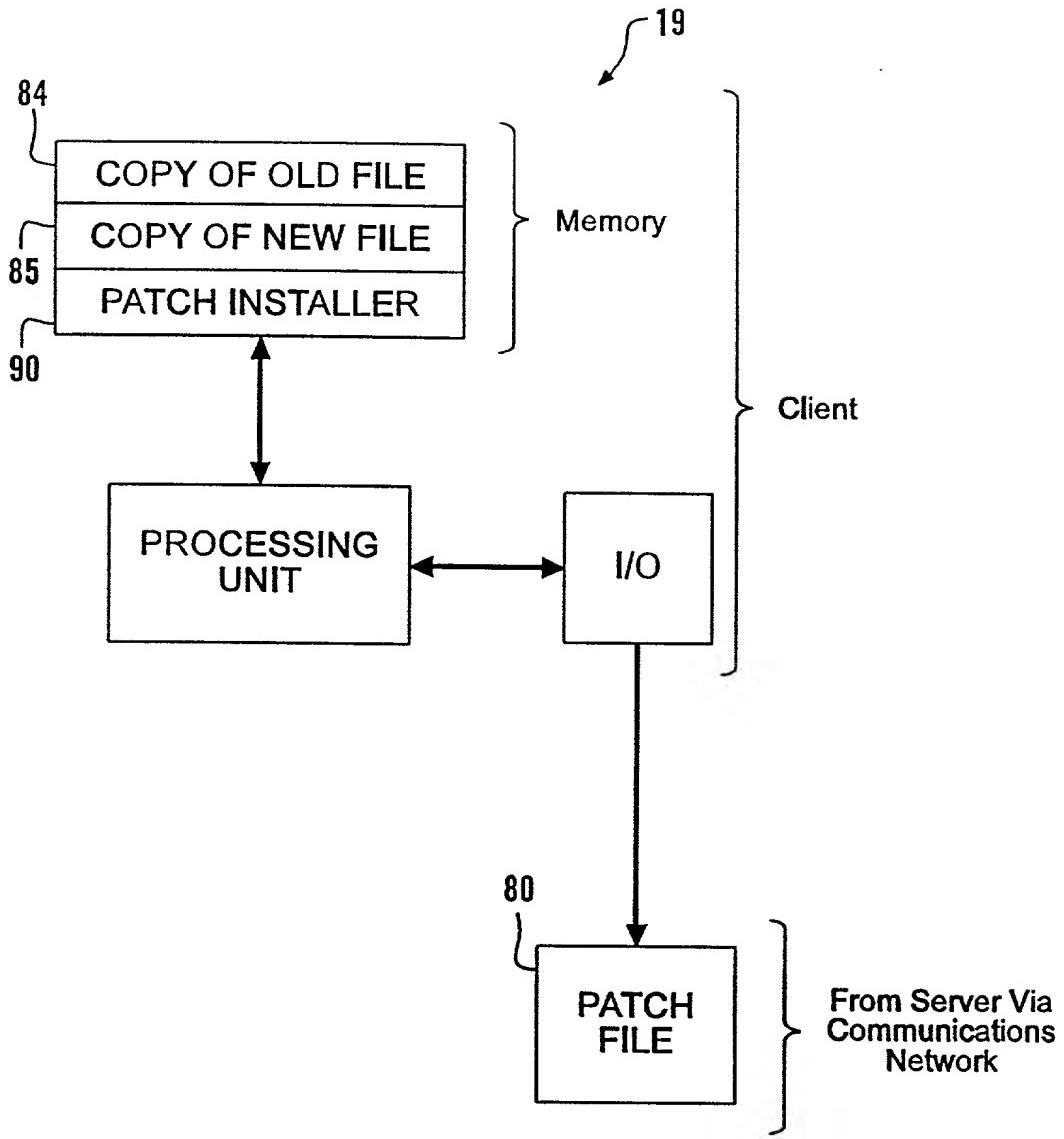


FIG. 12

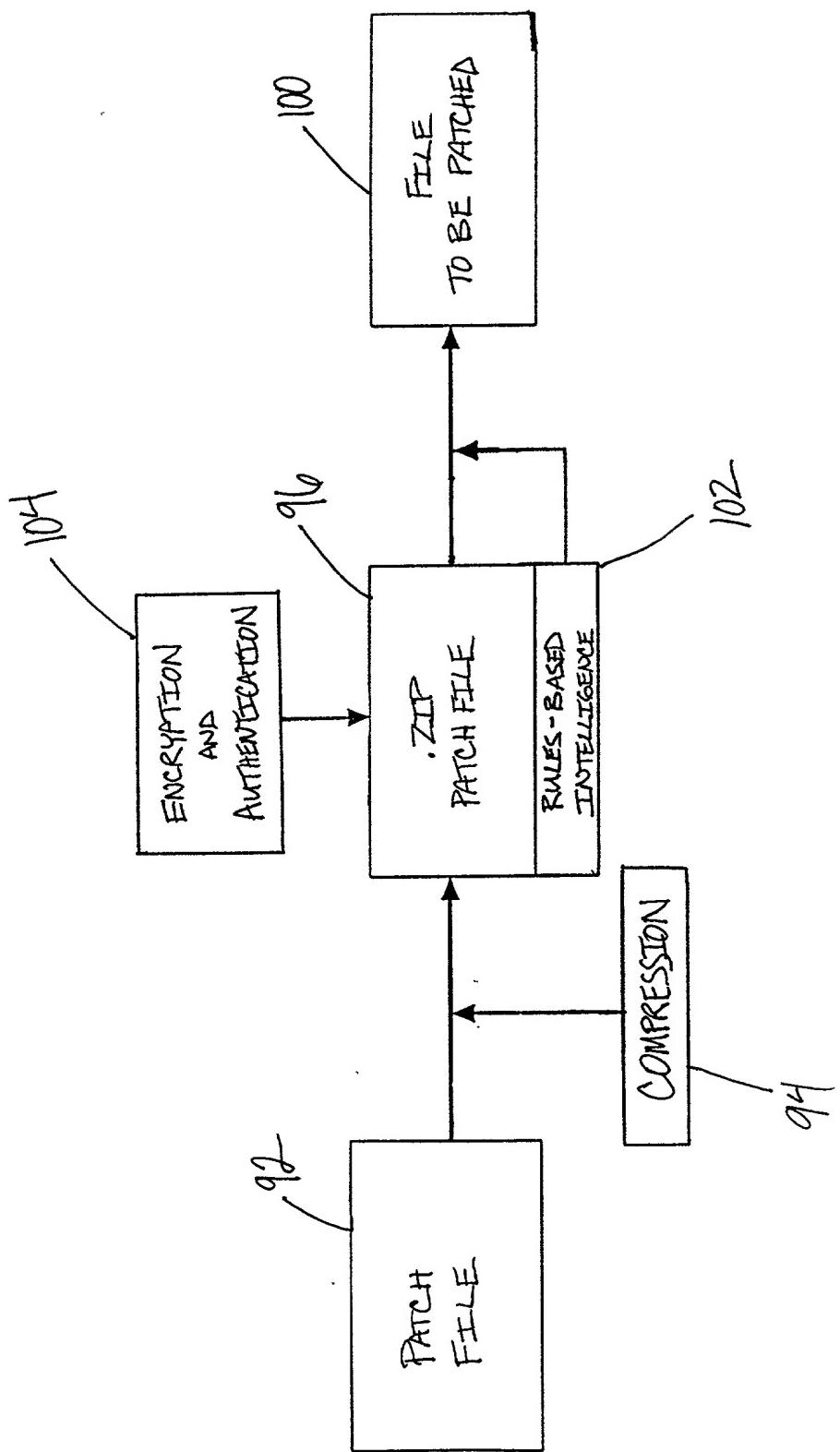


FIG. 13

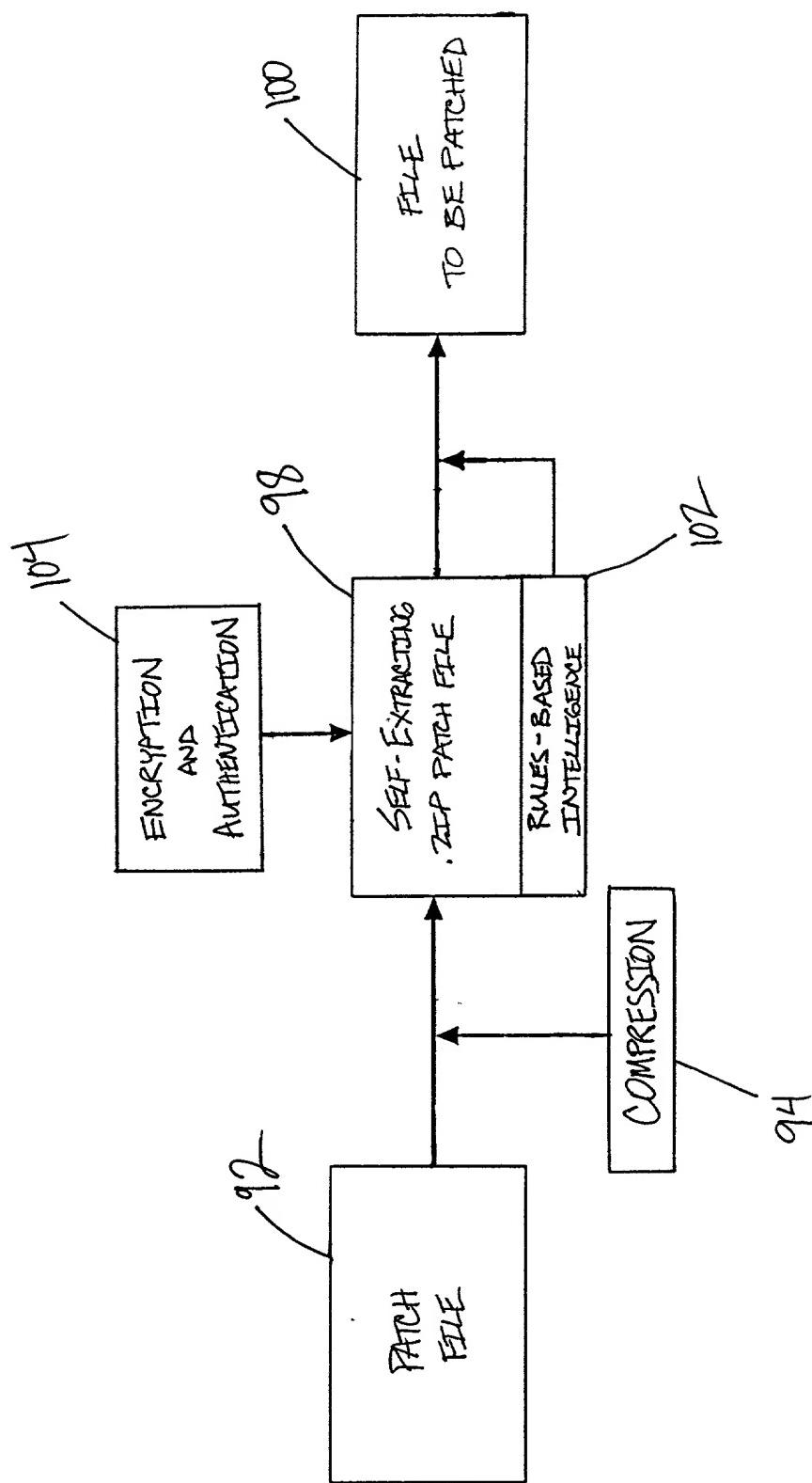


FIG. 14